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10/511707
DT01 Rec'd PCT/PTC 15 OCT 2004
Docket No.: 09857/0201259-US0
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Tsuyoshi Shimoboji

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: HYALURONIC ACID MODIFICATION
PRODUCT

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A summary/abstract translation of the non-English language documents is enclosed.

A copy of each document on the PTO/SB/08 is attached.

Citation Nos. BB-BG, BI and CA are not in the English language. In accordance with 1.98(c), Applicant states:

The requirement for concise explanation of relevance of Citation Nos. BB-BG, BI and CA is satisfied by the attached translation of the abstracts (see MPEP § 609 A(3)). Also enclosed is an English language copy of a Search Report from a foreign patent office, issued in a counterpart application.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Our check in the amount of \$1,044.00 covering the fee set forth in 37 CFR 1.21(h), 1.492(a)(5), and 1.492(c) is enclosed. The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: October 15, 2004

Respectfully submitted,

By 

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Registration No.: 42,899

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Attorneys/Agents For Applicant

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned 10/511707
				Filing Date	Concurrently Herewith
				First Named Inventor	Tsuyoshi Shimoboji
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	09857/0201259-USO

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	WO-99/18142-A1	04-15-1999	Macromed, Inc.		
	BB	JP-2002-256075	09-11-2002	Centmed Inc.		✓
	BC	JP-04-261664	09-17-1992	Biomatrix Inc.		✓
	BD	JP-05-262882	10-12-1993	W R Grace & Co.		✓
	BE	JP-09-227329	09-02-1997	M & M Kenkyusho KK		✓
	BF	JP-11-169703	06-29-1999	M & M Kenkyusho KK		✓
	BG	WO-95/15152-A1	06-08-1995	Ogita		✓
	BH	WO-97/24430-A1	07-10-1997	Colgate-Palmolive Company		
	BI	WO-00/27405-A1	05-18-2000	Denki Kagaku Kogyo Kabushiki Kaisha		✓

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
	CA	"Soshiki Kogaku ni Okeru Jinko Saibo-gai Matrix Sekkai: Kan'on-sei Hyaluronic Acid no Gosei to Kozoka" (Artificial Extracellular Matrix Design in Tissue Engineering: Synthesis of Thermoresponsive Hyaluronic Acid and Its Supramolecular Organization)" by OYA et al., THE JAPANESE JOURNAL OF ARTIFICIAL ORGANS (2000), 29(2), pp. 446-451.				✓
	CB	Patent Abstracts of Japan for JP2002-256075 published on September 11, 2002.				
	CC	Patent Abstracts of Japan for JP04-261664 published on September 17, 1992.				
	CD	"Injectable Hyaluronic Acid Gel for Soft Tissue Augmentation - A Clinical and Histological Study" by DURANTI et al., AMERICAN SOCIETY FOR DERMATOLOGIC SURGERY, INC., 1998, pp.1317-1325.				
	CE	Patent Abstracts of Japan for JP05-262882 published on October 12, 1993.				
	CF	Patent Abstract of Japan for JP09-227329 published on September 2, 1997.				
	CG	Patent Abstracts of Japan for JP11-169703 published on June 29, 1999.				
	CH	"Temperature-responsive gels and thermogelling polymer matrices for protein and peptide delivery" by BROMBERG et al., ADVANCED DRUG DELIVERY REVIEWS 31, 1998, pp. 197-221.				
	CI	"A Retention Test after Single Intra-articular Administration of High Molecular Weight Sodium Hyaluronate (NRD101) into the Rabbit Knee" by UMEDA et al., JAPAN PHARMACOLOGY THERAPEUTICS, Vol. 22, Supplement, March 1994, pp. 387(S-779)-393(S-785).				
	CJ	"Thermoresponsive Artificial Extracellular Matrix for Tissue Engineering: Hyaluronic Acid				
{W:098 57/0201		Date Considered				

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Tsuyoshi Shimoboji
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	09857/0201259-USO

		Bioconjugated with Poly(N-isopropylacrylamide) Grafts" by OHYA et al., BIOMACROMOLECULES 2001, 2, pp. 856-863.	
	CK	"Temperature-responsive and degradable hyaluronic acid/Pluronic composite hydrogels for controlled release of human growth hormone" by KIM et al., JOURNAL OF CONTROLLED RELEASE 80 (2002) pp.69-77.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

{W:1098 5710201		Date Considered	
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